

1           1.     An access fitting for an opening in the wall of a gas sampling bag, said fitting  
2 comprising:  
3           a housing having a base and a cap located respectively on interior and exterior sides of  
4           said wall, said base and said cap being provided respectively with inner and  
5           outer ports aligned with said opening to provide a through passageway  
6           communicating with the interior of said bag;  
7           a septum interposed between said cap and the exterior side of said wall, said septum  
8           having a hole therein and being slidably adjustable between an open position at  
9           which said hole is aligned with said passageway, and a closed position at which  
10          said hole is removed from said passageway and said passageway is blocked by  
11          an imperforate segment of said septum; and  
12          a tubular connector received in said outer port, said connector being axially adjustable  
13          between an advanced position frictionally resisting sliding adjustment of said  
14          septum, and a retracted position accommodating such adjustment.

1           2.     The access fitting of claim 1 further comprising an interior gasket interposed  
2 between said base and the interior side of said wall.

1           3.     The access fitting of claims 1 or 2 further comprising an exterior gasket element  
2 interposed between said cap and the exterior side of said wall.

1           4.     The access fitting of claim 3 wherein said septum is slidably interposed between  
2 said cap and said exterior gasket element.

1           5.       The access fitting of claim 1 wherein said tubular connector is threaded into said  
2 outer port and is rotatably adjustable between said advanced and retracted positions.

1           6.       The access fitting of claims 1 or 5 wherein said tubular connector bears against  
2 said septum when in its advanced position.

1           7.       The access fitting of claim 1 further comprising gasket elements interposed  
2 between said wall and said base and cap, said base, gasket elements, septum and connector being  
3 formed from a perfluoroplastic material.

1           8.       The access fitting of claim 7 wherein said perfluoroplastic material is  
2 polytetrafluoroethylene.

1           9.       The access fitting of claim 1 wherein said cap is connected to said base by  
2 fasteners extending through said wall.

1           10.      The access fitting of claim 9 wherein said fasteners are isolated from the interior  
2 of said bag by said base.

1           11.      The access fitting of claim 8 wherein said gasket elements are formed from  
2 expanded polytetrafluoroethylene.

1           12.    The access fitting of claim 1 wherein said septum comprises an elongated strip  
2   longitudinally slidable between said open and closed positions.

1           13.    The access fitting of claim 12 wherein said cap is provided with a guide channel  
2   in which said septum is slidably confined.

1           14.    The access fitting of claim 1 wherein said tubular connector is detachable from  
2   said cap.